



JPL Case No.: C-16984
CIT Case No.: 1917
Attorney Docket No. JPL 87-008

PATENT

11/c
B Turner
02/22/91

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Group Art Unit: 237
Larry A. Bergman :
Entitled: OPTICALLY INTRA- :
CONNECTED COMPUTER EMPLOYING :
DYNAMICALLY RECONFIGURABLE :
HOLOGRAPHIC OPTICAL ELEMENT :
Serial No.: 07/103,192 :
Filing Date: October 1, 1987 :

Examiner: K. Kriess

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GROUP 230

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In response to the Office Action dated November 21, 1990,
please amend the above-identified application as follows:

IN THE CLAIMS:

CM Claim 1. (Thrice Amended) In a computer including a memory for holding a sequence of instructions to be executed, logic for accessing the instructions in sequence, logic for determining for each instruction a function to be performed and an effective address thereof, and logic for executing each instruction, the improvement wherein:

C1 P1 (a) the logic for executing instructions comprises:

P2 a plurality of individual elements on a common support substrate optimized to perform certain logical sequences employed in executing instructions; and

P1 (b) the computer comprises:

P2 element selection logic means connected to the logic determining the function to be performed for each instruction for determining a class of each function and for causing the instruction to be executed by those of said